9 18 27 36 45 54 55 NAG GAN GGT GGG GGA CCC ANG GGT CCA GAG CGC AGT TCG GGT CGG AGC TYC GWC 63 72 81 90 99 108 TGA CCT CCA GGC AGG ACG GCC ATC CTC TCC AGA ATG AAG ATC TTC TTG CCA GTG M K I F L P VCTG CTG GCT GCC CTT CTG GGT GTG GAG CGA GCC AGC TCG CTG ATG TGC TTC TCC L L G V E R A S S L M C F S TGC TTG AAC CAG AAG AGC AAT CTG TAC TGC CTG AAG CCG ACC ATC TGC TGC GAC CAG GAC AAC TAC TGC GTG ACT GTG TCT GCT AGT GCC GGC ATT GGG AAT CTC GTG Q D N Y C V T V S A S A G I G N L V ACA TIT GGC CAC AGC CTG AGC AGC TGT TCC CCG GCC TGC CCC ATC CCA GAA
T F G H S L S K T C C S P A C P I P E GGC GTC AAT GTT GGT GGG GCT TCC ATG GGC ATC AGC TGC CAG AGC TTT CTG

G V N V G V A S M G I S C C Q S F L TGC AAT TTC AGT GCG GCC GAT GGC GGG CTG CGG GCA AGC GTC ACC CTG CTG GGT N F S A A D G G L R A S V T L L

FIGURE 1

CAC ATC CT 3'

18 27 36 5' GTG ACC ATG AAG GCT GTG CTG CTT GCC CTG TTG ATG GCA GGC TTG GCC CTG CAG TMKAVLLALLMAGL 81 CCA GGC ACT GCC CTG CTG TGC TAC TCC TGC AAA GCC CAG GTG AGC AAC GAG GAC TALLCYSCKAQV 126 135 TGC CTG CAG GTG GAG AAC TGC ACC CAG CTG GGG GAG CAG TGC TGG ACC GCG CGC V E N C T Q L G E Q 189 ATC CGC GCA GTT GGC CTC CTG ACC GTC ATC AGC AAA GGC TGC AGC TTG AAC TGC 243 252 GTG GAT GAC TCA CAG GAC TAC TAC GTG GGC AAG AAG AAC ATC ACG TGC TGT GAC 297 288 ACC GAC TTG TGC AAC GSC AGC GGG GCC CAT GCC CTG CAG CCG GCT GCC GCC ATC N X S Q 342 351 360 369 CTT GCG CTG CTC CCT GCA CTC GGC CTG CTG CTC TGG GGA CCC GGC CAG CTA TAG LLPALGLLWGPGQL 396 405 414 423 GCT CTG GGG GGC CCC GMT GCA GCC CAC ACT GGG TGT GGT GCC CCA AGG CCT CTG ALGGPXAAH TGCGAPRP 450 459 468 TGS CAC TCC TMA CAG ACC TGG GCC CAG TGG GAG SCT GTC TCT NGG TTC CTG AGG X H S X Q T W A Q W E X V S X F

FIGURE 2

```
M - - - - - KIFLPVLLAALLGVERASSLMCF scah-1
      MSATSNMRVFLPVLLAALLGVERASSLMCF scan-1
MSATSNMRVFLPVLLAALLGMEQVHSLMCF GI 434660
MSTTSSMRVFSIVLQAHLLGVELVPSLICS GI 1199651
M-----KAVLLALLMAGLALQPGTALLCY scah-2
M-----KAFLFAVLAAVLCVERAHTLICF GI 509840
 1
     SCLNQKSNLYCLKPTICSDQDNYCVTVSAS scah-1
SCTDQKNNINCLWPVSCQEKDHYCITLSAA GI 434660
SCTHQKSNINPPWPVACKDTGNYCIMLF SA GI 1199651
SCKAQVSNEDCLQVENCTQLGEQCWTARIR scah-2
SCSDASSNWACLTPVKCAENEEHCVTTYVG GI 509840
      55
     GVASMGISCCQSFLCNFSAADGGLRASVTL scah-1
GVASVNSYCCQSSFCNFSAAGLGLRASIPL GI 434660
GVASVNSY--OSSFCNFSNACL GI 1199651
GKKNIT--CCDTDLCNXSGAH-ALQPAAAI scah-2
GIAAASVYCCDSFLCNISGSS-SVKASYAV GI 509840
84
90
90
114 LGAGLLLSLX PALLRFGP
120 LGLGLLSLL-ALLQLSP
                                                                                                       scah-1
                                                                                                       GI 434660
109
                                                                                                       GI 1199651
107 LA---LLPALGLLLWGPGQL
110 LALGILVSFV-YVLRARE
                                                                                                       scah-2
                                                                                                       GI 509840
```

Decoration 'Decoration #1': Box residues that match the Consensus exactly.

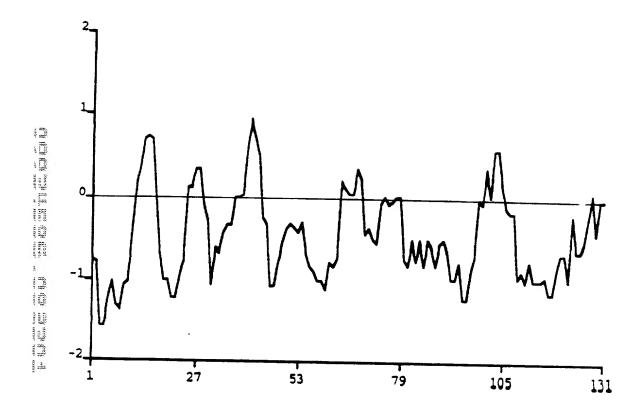


FIGURE 4

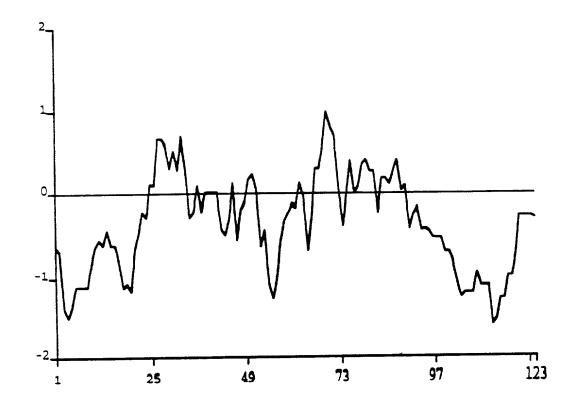
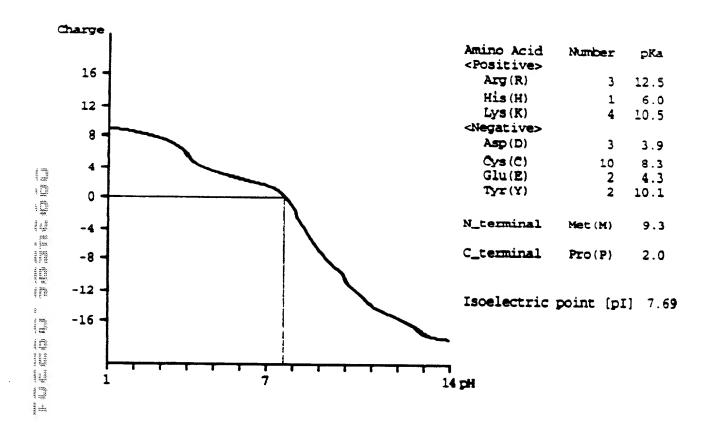


FIGURE 5



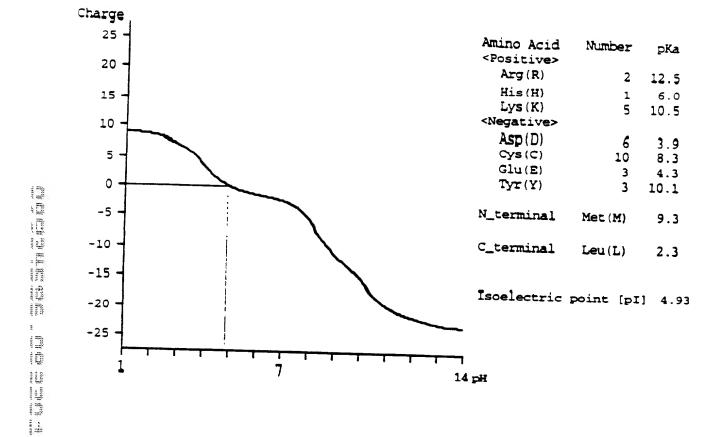


FIGURE 7